

Test Beam Track for EDIT 2018

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Day 1:

Arrive at the facility between 9:30 and 9:45.

Safety discussion and tour of both MCenter and MTest (~30 minutes, depends on questions they ask)

Call for search and secure

While waiting for search and secure:

1. Intro discussion about test beam (~20 min+ questions)
2. Split group in half – one set to MTest, one set to MCenter

MTest:

- Split further into Cherenkov group and MWPC group
- Make a run plan: Cherenkov group will want to do pressure scans, MWPC can look at data at the same time, but might also want to let them look at different momentum while Cherenkov group analyzes data
- Students can swap detectors mid afternoon if they want. If one group is waiting on the other, take them to look at signals.

MCenter:

- Build a trigger, delay signals
- Get ToF working, see signals, make a DAQ with the DRS4 boards
- Read out the wire chambers
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At 5, the students go back WH to head home for the night.

Day 2:

Arrive at facility between 9:30 and 9:45

Groups will start out in the same beamline as they ended the previous day – spend about 1-2 hours there finishing up studies if they need to. Then the groups will swap and the MCenter kids move to MTest, the MTest kids move to MCenter. Repeat the above program.